



Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Docket No.: 39262/256238		Application No. 09/827,252		
		Applicant: J. Charles Taylor, et al.				
		Filing Date: April 5, 2001		Group Art Unit 3731		
U.S. PATENT DOCUMENTS						
Examiner Initial		Patent Number	Date	Patentee	Class Subclass	
TA		1,308,799	07/1919	Masland	3700	
		2,055,024	09/1936	Bittner, Jr.	10/1936	
		2,250,417	07/1941	Ettinger	10/1941	
		2,391,537	12/1945	Anderson	10/1945	
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		3,941,123	03/1976	Volkov et al.	10/1976	
		3,977,397	08/1976	Kalnberz et al.	10/1976	
		3,985,127	10/1976	Volkov et al.	10/1976	
		4,033,340	07/1977	Kalnberz	10/1977	
		4,100,919	07/1978	Oganesyan et al.	10/1978	
		4,112,935	09/1978	Latypov et al.	10/1978	
		4,127,119	11/1978	Kronner	10/1978	
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		4,361,144	11/1982	Släitis	10/1982	
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	Examiner:			Date Considered:	10/15/02	
	EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.					



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(Use several sheets if necessary)

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		09/827,252
Applicant:	J. Charles Taylor, et al.	
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	Group Art Unit 1C 3731	

U.S. PATENT DOCUMENTS (continued)

Examiner Initial	Document Number	Date	Patentee	Class	Subclass	Oct 19 2001 MAIL ROOM SEARCHED
TA	5,209,750	05/1993	Stef			
	5,259,710	11/1993	Charles			
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	5,776,132	07/1998	Blyakher			
	5,797,908	08/1998	Meyers et al.			
	5,971,984	10/1999	Austin, et al.			
TA	6,030,386	02/2000	Taylor, et al.			

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	0 589 565	03/1994	EPO			
	1-255 118	09/1986	U.S.S.R.			
	1 519 673	11/1989	U.S.S.R.			
	108119	07/1917	UK			
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	2 756 025	11/1996	France			
	25 46 046	04/1977	Germany			
	295 03-147.6	06/1995	Germany			
	295-14411-1-U	01/1996	Germany			
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	WO 92/17313	10/1992	WIPO			
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Examiner:

Jackie Ho

Date Considered:

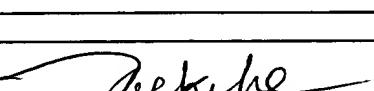
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OTHER MATERIAL			
Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.		
<i>JF</i>	A.S.A.M.I. Group, "Operative Principles of Ilizarov - Fracture Treatment, Nonunion Osteomyelitis, Lengthening Deformity Correction," Medi Surgical Video, 1991.		
<i>JF</i>	Catagni, M.A., Malzev, V., Kirienko, A., "Advances in Ilizarov Apparatus Assembly - Fracture Treatment, Pseudarthroses-Lengthening Deformity Correction," Medicalplastic srl, 1994.		
<i>JF</i>	Chen, N., Song, S., "Direct Position Analysis of the 4-6 Stewart Platforms", <i>Journal of Mechanical Design</i> , vol. 116, Mar. 1994, pp. 61-66.		
<i>JF</i>	Chironis, Nicholas P., "Mechanisms & Mechanical Devices Sourcebook", pp. 366-367, McGraw-Hill Inc., 1991.		
<i>JF</i>	Dasgupta, B., Mruthyunjaya, T.S., "A Canonical Formulation Of The Direct Position Kinematics Problem For A General 6-6 Stewart Platform", <i>Mech. Mach. Theory</i> , vol. 29, No. 6, 1994, pp. 819-827.		
<i>JF</i>	Dasgupta, B., Mruthyunjaya, T.S., "Letter To The Editor", <i>Mech. Mach. Theory</i> , vol. 29, No. 2, 1994, p. 341.		
<i>JF</i>	Fenton, R.G., "Response", <i>Mech. Mach. Theory</i> , vol. 29, No. 2, 1994, p. 343.		
<i>JF</i>	Fichter, E. F., "A Stewart Platform-Based Manipulator: General Theory and Practical Construction", <i>International Journal of Robotics Research</i> , vol. 5, No. 2, pp. 157-182.		
<i>JF</i>	Geng, Z.J., Haynes, L.S., "A "3-2-1" Kinematic Configuration Of A Stewart Platform And Its Application to Six Degree Of Freedom Pose Measurements", <i>Robotics & Computer-Integrated Manufacturing</i> , vol. 11, No. 1, 1994, pp. 23-24.		
<i>JF</i>	<i>Hex-Fix Surgical Technique</i> brochure, title page and pp. 1-7.		
<i>JF</i>	Ilizarov, Gavriil A., "Transosseous Osteosynthesis-Theoretical and Clinical Aspects of the Regeneration and Growth of Tissue," Springer-Verlag, 1992.		
<i>JF</i>	Ji, Z., "Dynamics Decomposition for Stewart Platforms", <i>Journal of Mechanical Design</i> , vol. 116, Mar. 1994, pp. 67-69.		
<i>JF</i>	Liu, K., Fitzgerald, J.M., Lewis, F.L., "Kinematic Analysis of a Stewart Platform Manipulator", <i>IEEE Transaction On Industrial Electronics</i> , vol. 40, No. 2, Apr. 1993, pp. 282-293.		
<i>JF</i>	Liu, K., Lewis, F.L., Fitzgerald, M., "Solution Of Nonlinear Kinematics Of A Parallel-Link Constrained Stewart Platform Manipulator", <i>Circuits Systems Signal Process</i> , vol. 13, No. 2-3, 1994, pp. 167-183.		
<i>JF</i>	<i>Monticelli Spinelli® External Fixation System</i> , cover and pp. 1-28.		
<i>JF</i>	Nair, R., Maddocks, J.H., "On The Forward Kinematics Of Parallel Manipulators", <i>The International Journal of Robotics Research</i> , vol. 13, No. 2, Apr. 1994, pp. 171-188.		
<i>JF</i>	Nanua, P., Waldron, K.J., and Murthy, V., "Direct Kinematic Solution of a Stewart Platform", <i>IEEE Transactions On Robotics And Automation</i> , vol. 6, No. 4, Aug. 1990, pp. 438-443.		
<i>JF</i>	Raghavan, M., "The Stewart Platform of General Geometry Has 40 Configurations", <i>Journal of Mechanical Design</i> , vol. 115, Jun. 1993, pp. 277-282.		
<i>JF</i>	Richards Medical Company, <i>Richards External Fixation Systems</i> , 1983, 8 pages.		
<i>JF</i>	Smith & Nephew Richards Inc., <i>The Original Ilizarov System, The Ilizarov External Fixator General Surgical Technique Brochure</i> , 1988.		
<i>JF</i>	Sreenivasan, S.V., Waldron, K.J., "Closed-Form Direct Displacement Analysis Of A 6-6 Stewart Platform", <i>Mech. Mach. Theory</i> , vol. 29, No. 6, 1994, pp. 855-864.		
<i>JF</i>	Stoughton, R.S., Arai, T., "A Modified Stewart Platform Manipulator With Improved Dexterity", <i>IEEE Transactions On Robotics And Automation</i> , vol. 9, No. 2, Apr. 1993.		
<i>JF</i>	<i>Techniques In Orthopaedics, Basic Ilizarov Techniques</i> , vol. 5, No. 4, Dec. 1990, 4 pages.		
<i>JF</i>	<i>The Ilizarov Method Biostress Workshop Handbook, Essential Concepts & Methodology for Application of the Ilizarov Technique</i> , 26 pages.		
<i>JF</i>	<i>"The Ilizarov External Fixator, General Surgical Technique Brochure"</i> , 1988.		
<i>JF</i>	Variax™, Giddings & Lewis® Automation Technology, 4 pages.		
<i>JF</i>	Went, P., Liang, C., "Displacement Analysis Of The 6-6 Stewart Platform Mechanisms", <i>Mech. Mach. Theory</i> , vol. 29, No. 4, 1994, pp. 547-557.		
<i>JF</i>	Wohlhart, K., "Displacement Analysis Of The General Spherical Stewart Platform", <i>Mech. Mach. Theory</i> , vol. 29, No. 4, 1994, pp. 581-589.		
<i>JF</i>	Zhang, C., Song, S., "Forward Position Analysis Of Nearly General Stewart Platforms", <i>Journal of Mechanical Design</i> , vol. 116, pp. 54-60, Mar. 1994.		
Examiner:	Date Considered: <i>11/15/02</i>		
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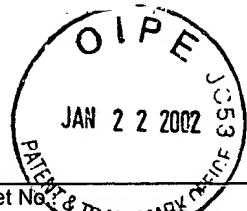
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Form PTO-1449		Docket No.: 39262/256238	Application No. 09/827,252
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: J. Charles Taylor, et al.	
		Filing Date: April 5, 2001	Group Art Unit 3731
OTHER MATERIAL			
Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.		
	<p>Zhuang, H., Roth, Z.S., "Method For Kinematic Calibration Of Stewart Platforms", <i>Journal Of Robotic Systems</i>, 10(3), 1993, pp. 391-405.</p> <p><i>NO COPY</i></p> <p><i>not considered</i></p> <p><i>considered</i></p>		
	1 OCT 19 2001 3700 MAIL ROOM RECEIVED		
Examiner:	 Date Considered: 11/15/02		

Examiner:

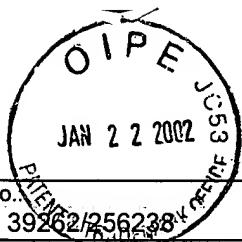
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Sheet 1 of 3

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Docket No. & Date Filed 39262/256238	Application No. 09/827,252	
		Applicant: J. Charles Taylor, et al.		
		Filing Date: April 5, 2001	Group Art Unit 3731	
U.S. PATENT DOCUMENTS				
Examiner Initial		Patent Number	Date	Patentee
		1,308,799	07/1919	Masland
		2,055,024	09/1936	Bittner, Jr.
		2,250,417	07/1941	Ettinger
		2,391,537	12/1945	Anderson
		2,487,989	11/1949	Sherburne
		3,176,805	04/1965	Gandy
		3,727,610	04/1973	Riniker
		3,941,123	03/1976	Volkov et al.
		3,977,397	08/1976	Kalnberz et al.
		3,985,127	10/1976	Volkov et al.
		4,033,340	07/1977	Kalnberz
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		4,112,935	09/1978	Latypov et al.
		4,127,119	11/1978	Kronner
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		4,365,624	12/1982	Jaquet
		4,482,266	11/1984	Kaneko
		4,483,334	11/1984	Murray
		4,502,473	03/1985	Harris et al.
		4,541,422	09/1985	de Zbikowski
		4,554,915	11/1985	Brumfield
		4,570,625	02/1986	Harris et al.
		4,615,338	10/1986	Illzarov et al.
		4,620,533	11/1986	Mears
		4,624,249	11/1986	Cambras
		4,628,922	12/1986	Dewar
		4,662,365	05/1987	Gotzen et al.
		4,768,524	09/1988	Hardy
		4,889,111	12/1989	Ben-Dov
		4,928,546	05/1990	Walters
		4,973,331	11/1990	Pursley et al.
		4,988,244	01/1991	Sheldon et al.
		5,028,180	07/1991	Sheldon et al.
		5,062,844	11/1991	Jamison et al.
		5,170,790	12/1992	Lacoste et al.
		5,179,525	01/1993	Griffis et al.
		5,180,380	01/1993	Pursley et al.
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		Applicant: J. Charles Taylor, et al.					
		Filing Date: April 5, 2001	Group Art Unit 3731 TC				
U.S. PATENT DOCUMENTS (continued)							
Examiner Initial		Document Number	Date	Patentee	Class	Subclass	
Q		5,209,750	05/1993	Stef			
		5,259,710	11/1993	Charles			
		5,275,598	01/1994	Cook			
		5,354,158	10/1994	Sheldon et al.			
		5,372,597	12/1994	Hotchkiss, et al.			
		5,388,935	02/1995	Sheldon			
		5,405,347	04/1995	Lee et al.			
		5,461,515	10/1995	Sorce			
		5,466,085	11/1995	Sheldon et al.			
		5,490,784	02/1996	Carmein			
		5,702,389	12/1997	Taylor et al.			
		5,728,095	03/1998	Taylor, et al.			
		5,776,132	07/1998	Blyakher			
		5,797,908	08/1998	Meyers et al.			
		5,971,984	10/1999	Austin, et al.			
		6,030,386	02/2000	Taylor, et al.			
NON U.S. DOCUMENTS							
Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation
		0 589 565	03/1994	EPO			
		1 255 118	09/1986	U.S.S.R.			
		1 519 673	11/1989	U.S.S.R.			
		108119	07/1917	UK			
		2 077 847	12/1981	UK			
		2 576 774	08/1986	France			
		2 756 025	11/1996	France			
		25 46 046	04/1977	Germany			
		295 03 147.6	06/1995	Germany			
		295 144 111 U	01/1996	Germany			
		820813	04/1981	U.S.S.R.			
		WO 91/06253	05/1991	WIPO			
		WO 92/17313	10/1992	WIPO			
		WO 96/26678	09/1996	WIPO			
Examiner: <i>Jackie</i>			Date Considered: <i>11/15/02</i>				
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Sheet 3 of 3

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Docket No.: 39262/25623B PATENT & TRADEMARK OFFICE U.S. DEPARTMENT OF COMMERCE	Application No. 09/827,252
Applicant: J. Charles Taylor, et al.		Filing Date: April 5, 2001	Group Art Unit 3731
OTHER MATERIAL			
Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.		
<i>JP</i>	A.S.A.M.I. Group, "Operative Principles of Ilizarov - Fracture Treatment, Nonunion Osteomyelitis, Lengthening Deformity Correction," Medi Surgical Video, 1991.		
<i>JP</i>	Catagni, M.A., Malzev, V., Kirienko, A., "Advances in Ilizarov Apparatus Assembly - Fracture Treatment, Pseudarthroses-Lengthening Deformity Correction," Medicalplastic srl, 1994.		
<i>JP</i>	Chen, N., Song, S., "Direct Position Analysis of the 4-6 Stewart Platforms", <i>Journal of Mechanical Design</i> , vol. 116, Mar. 1994, pp. 61-66.		
<i>JP</i>	Chironis, Nicholas P., "Mechanisms & Mechanical Devices Sourcebook", pp. 366-367, McGraw-Hill, Inc., 1991.		
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<i>JP</i>	Dasgupta, B., Mruthyunjaya, T.S., "Letter To The Editor", <i>Mech. Mach. Theory</i> , vol. 29, No. 2, 1994, p. 341.		
<i>JP</i>	Fenton, R.G., "Response", <i>Mech. Mach. Theory</i> , vol. 29, No. 2, 1994, pp. 349.		
<i>JP</i>	Fichter, E. F., "A Stewart Platform-Based Manipulator: General Theory and Practical Construction", <i>International Journal of Robotics Research</i> , vol. 5, No. 2, pp. 157-182.		
<i>JP</i>	Geng, Z.J., Haynes, L.S., "A "3-2-1" Kinematic Configuration Of A Stewart Platform And Its Application to Six Degree Of Freedom Pose Measurements", <i>Robotics & Computer-Integrated Manufacturing</i> , vol. 11, No. 3, 1994, pp. 23-24.		
<i>JP</i>	Hex-Fix Surgical Technique brochure, title page and pp. 1-7.		
<i>JP</i>	Ilizarov, Gavriil A., "Transosseous Osteosynthesis-Theoretical and Clinical Aspects of the Regeneration and Growth of Tissue," Springer-Verlag, 1992.		
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<i>JP</i>	Smith & Nephev Richards Inc., <i>The Original Ilizarov System, The Ilizarov External Fixator General Surgical Technique Brochure</i> , 1988.		
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<i>JP</i>	Stoughton, R.S., Arai, T., "A Modified Stewart Platform Manipulator With Improved Dexterity", <i>IEEE Transactions On Robotics And Automation</i> , vol. 9, No. 2, Apr. 1993.		
<i>JP</i>	<i>Techniques In Orthopaedics, Basic Ilizarov Techniques</i> , vol. 5, No. 4, Dec. 1990, 4 pages.		
<i>JP</i>	The Ilizarov Method Bioskills Workshop Handbook, Essential Concepts & Methodology for Application of the Ilizarov Technique, 26 pages.		
<i>JP</i>	"The Ilizarov External Fixator, General Surgical Technique Brochure", 1988.		
<i>JP</i>	Variax™, Giddings & Lewis® Automation Technology, 4 pages.		
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<i>JP</i>	Wohlhart, H., "Displacement Analysis Of The General Spherical Stewart Platform", <i>Mech. Mach. Theory</i> , vol. 29, No. 4, 1994, pp. 581-589.		
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